| Ref<br>#   | Hits | Search Query  | DBs                          | Default<br>Operator | Plurals | Time Stamp       |   |
|------------|------|---|------------------------------|---------------------|---------|------------------|---|
| S1         | 4    | wiegand adj protocol  | US-PGPUB;<br>USPAT           | OR                  | OFF     | 2004/11/05 12:15 |   |
| S2         | 1    | extended near wiegand   | US-PGPUB;<br>USPAT           | OR                  | OFF     | 2004/10/29 16:23 | ; |
| <b>S</b> 3 | 2560 | (713/200).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR | OR                  | OFF     | 2004/10/29 16:24 |   |
| S4         | 2    | S3 and wiegand  | US-PGPUB;<br>USPAT           | OR                  | OFF     | 2004/10/29 16:25 |   |
| S5         | 2363 | wiegand   | US-PGPUB;<br>USPAT           | OR                  | OFF     | 2004/11/03 08:52 |   |
| S6         | 1532 | wiegand and (improved or extended or long)                              | US-PGPUB;<br>USPAT           | OR                  | OFF     | 2004/11/02 10:42 |   |
| S7         | 3    | wiegand near (improved or extended or long)                             | US-PGPUB;<br>USPAT           | OR                  | OFF     | 2004/10/29 16:35 |   |
| S8         | 12   | wiegand near4 (improved or extended or long)                            | US-PGPUB;<br>USPAT           | OR                  | OFF     | 2004/10/29 16:35 |   |
| S9         | 50   | wiegand near4 (improved or<br>extended or long or modif\$8 or<br>field) | US-PGPUB;<br>USPAT           | OR                  | OFF     | 2004/11/01 08:49 |   |
| S10        | 14   | wiegand near4 (improved or extended or long or modif\$8)                | US-PGPUB;<br>USPAT           | OR                  | OFF     | 2004/11/01 08:53 |   |
| S11        | 44   | access adj control and wiegand  | US-PGPUB;<br>USPAT           | OR                  | OFF     | 2004/11/01 09:06 | ( |
| S12        | . 0  | wiegand adj field   | US-PGPUB;<br>USPAT           | OR                  | OFF     | 2004/11/01 16:38 |   |
| S13        | 18   | wiegand near field  | US-PGPUB;<br>USPAT           | OR                  | OFF     | 2004/11/01 16:41 |   |
| S14        | 1    | wiegand adj message   | US-PGPUB;<br>USPAT           | OR                  | OFF     | 2004/11/01 16:41 |   |
| S15        | 1    | wiegand near message  | US-PGPUB;<br>USPAT           | OR                  | OFF     | 2004/11/01 16:41 |   |
| S16        | 2    | wiegand near3 message   | US-PGPUB;<br>USPAT           | OR                  | OFF     | 2004/11/01 16:41 |   |
| S17        | 118  | wiegand and message   | US-PGPUB;<br>USPAT           | OR                  | OFF     | 2004/11/02 09:54 | K |
| S18        | 4    | wiegand near3 protocol  | US-PGPUB;<br>USPAT           | OR                  | OFF     | 2004/11/02 10:38 |   |
| S19        | 74   | wiegand same (improved or extended or long)                             | US-PGPUB;<br>USPAT           | OR                  | OFF     | 2004/11/02 10:46 |   |
| S20        | 74   | wiegand same (improved or extended or long) and wiegand                 | US-PGPUB;<br>USPAT           | OR                  | OFF     | 2004/11/02 10:47 |   |
| S21        | 1663 | wiegand and @ay<="2000"   | US-PGPUB;<br>USPAT           | OR                  | OFF     | 2004/11/02 12:15 |   |

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| S22 | 2251 | access adj control adj system   | US-PGPUB;<br>USPAT   | OR | ON  | 2004/11/02 15:00 |
|-----|------|---|----------------------|----|-----|------------------|
| S23 | 128  | access adj control adj system and<br>CRC                              | US-PGPUB;<br>USPAT   | OR | ON  | 2004/11/02 15:01 |
| S24 | . 12 | access adj control adj system and access adj control adj interface    | US-PGPUB;<br>USPAT   | OR | ON  | 2004/11/02 15:05 |
| S25 | 1524 | access adj control adj system and interface                           | US-PGPUB;<br>USPAT   | OR | ON  | 2004/11/02 15:05 |
| S26 | 1150 | access adj control adj system and physical                            | US-PGPUB;<br>USPAT   | OR | ON  | 2004/11/02 15:05 |
| S27 | 116  | access adj control adj system same<br>physical                        | US-PGPUB;<br>USPAT   | OR | ON  | 2004/11/02 15:14 |
| S28 | 14   | access adj control adj interface<br>same physical                     | US-PGPUB;<br>USPAT   | OR | ON  | 2004/11/02 15:56 |
| S29 | 92   | access adj control adj interface and physical                         | US-PGPUB;<br>USPAT   | OR | ON  | 2004/11/02 15:59 |
| S30 | 129  | physical adj access adj control                                       | US-PGPUB;<br>USPAT   | OR | ON  | 2004/11/02 15:59 |
| S31 | 818  | security adj system and<br>transponder                                | US-PGPUB;<br>USPAT   | OR | ON  | 2004/11/02 17:03 |
| S32 | 48   | security adj system and data adj<br>transponder                       | US-PGPUB;<br>USPAT   | OR | ON  | 2004/11/02 17:05 |
| S33 | 1712 | fob   | US-PGPUB;<br>USPAT   | OR | ON  | 2004/11/02 17:06 |
| S35 | 758  | key adj fob   | US-PGPUB;<br>USPAT   | OR | ON  | 2004/11/02 17:06 |
| S36 | 11   | carrying adj key adj fob  | US-PGPUB;<br>USPAT   | OR | ON  | 2004/11/02 17:10 |
| S37 | 4250 | security and ((cyclic adj redundancy adj check) OR CRC)               | US-PGPUB;<br>USPAT   | OR | ON  | 2004/11/02 17:11 |
| S38 | 3767 | security and ((cyclic adj redundancy adj check) OR CRC) and access    | US-PGPUB;<br>USPAT   | OR | ON  | 2004/11/02 17:11 |
| S39 | 716  | security adj system and ((cyclic adj<br>redundancy adj check) OR CRC) | US-PGPUB;<br>USPAT   | OR | ON  | 2004/11/02 17:11 |
| S40 | 1157 | wiegand   | EPO; JPO;<br>DERWENT | OR | ON  | 2004/11/03 08:44 |
| S41 | 0    | wiegand near5 message   | EPO; JPO;<br>DERWENT | OR | ON  | 2004/11/03 08:42 |
| S42 | 2    | wiegand near5 protocol  | EPO; JPO;<br>DERWENT | OR | ON  | 2004/11/03 08:42 |
| S43 | 9    | wiegand and security  | EPO; JPO;<br>DERWENT | OR | ON  | 2004/11/03 08:47 |
| S44 | 7    | wiegand   | IBM_TDB              | OR | ON  | 2004/11/03 08:47 |
| S45 | 2368 | wiegand   | US-PGPUB;<br>USPAT   | OR | OFF | 2004/11/03 08:53 |

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|-----|------|--|------------------------------|----|------|------------------|
| S46 | 3658 | wiegand  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF  | 2004/11/03 08:54 |
| S47 | 1290 | wiegand  | USOCR                        | OR | OFF  | 2004/11/03 09:14 |
| S48 | 0    | micro adj RWD  | US-PGPUB;<br>USPAT           | OR | ON   | 2004/11/03 09:14 |
| S49 | 374  | RWD  | US-PGPUB;<br>USPAT           | OR | ON   | 2004/11/03 09:14 |
| S50 | 13   | security same building and wiegand   | US-PGPUB;<br>USPAT           | OR | ON . | 2004/11/03 11:03 |
| S51 | 850  | security same building and data near3 field  | US-PGPUB;<br>USPAT           | OR | ON   | 2004/11/03 11:03 |
| S52 | 476  | security same building and data adj<br>field                                       | US-PGPUB;<br>USPAT           | OR | ON   | 2004/11/03 11:09 |
| S53 | 0    | security same building and extended adj data adj field                             | US-PGPUB;<br>USPAT           | OR | ON   | 2004/11/03 11:09 |
| S54 | 5    | security and extended adj data adj<br>field  | US-PGPUB;<br>USPAT           | OR | ON   | 2004/11/03 11:09 |
| S55 | 32   | transponder and wiegand  | US-PGPUB;<br>USPAT           | OR | ON   | 2004/11/03 15:00 |
| S56 | 1    | "5,053,774".pn.  | US-PGPUB;<br>USPAT           | OR | ON   | 2004/11/03 15:00 |
| S57 | 1    | "5,053,774".pn. and transponder  | US-PGPUB;<br>USPAT           | OR | ON   | 2004/11/03 15:00 |
| S58 | 3    | wiegand and doorbell   | US-PGPUB;<br>USPAT           | OR | ON   | 2004/11/03 15:14 |
| S59 | 56   | access adj system and doorbell   | US-PGPUB;<br>USPAT           | OR | ON   | 2004/11/03 15:14 |
| S60 | 738  | fob and security   | US-PGPUB;<br>USPAT           | OR | ON   | 2004/11/03 16:41 |
| S61 | 119  | fob and security adj access  | US-PGPUB;<br>USPAT           | OR | ON   | 2004/11/03 16:41 |
| S62 | 125  | fob and transponder and security   | US-PGPUB;<br>USPAT           | OR | ON   | 2004/11/03 16:46 |
| S63 | 663  | transponder and (access adj<br>system)   | US-PGPUB;<br>USPAT           | OR | ON   | 2004/11/04 09:43 |
| S64 | 463  | transponder and (access adj<br>system) NOT vehicle                                 | US-PGPUB;<br>USPAT           | OR | ON   | 2004/11/04 09:44 |
| S65 | 188  | transponder and (access adj<br>system) NOT vehicle and<br>@py<"2001"               | US-PGPUB;<br>USPAT           | OR | ON   | 2004/11/04 09:55 |
| S66 | 61   | transponder and (access adj<br>system) NOT vehicle and<br>@py<"2001" NOT satellite | US-PGPUB;<br>USPAT           | OR | ON   | 2004/11/04 10:26 |
| S67 | 1    | "5,266,942".pn.  | US-PGPUB;<br>USPAT           | OR | ON   | 2004/11/04 10:16 |

| S69 | 919   | security and tamper and temperature and light   | US-PGPUB;<br>USPAT | OR   | ON  | 2004/11/04 11:03                        |   |
|-----|-------|---|--------------------|------|-----|---|---|
| S70 | 13    | security and tamper adj detector and temperature and light  | US-PGPUB;<br>USPAT | OR   | ON  | 2004/11/04 11:13                        |   |
| S71 | 348   | security adj system and tamper and temperature and light  | US-PGPUB;<br>USPAT | OR   | ON  | 2004/11/04 11:13                        |   |
| S72 | 298   | security adj system and tamper and temperature and light and access   | US-PGPUB;<br>USPAT | OR   | ON  | 2004/11/04 11:13                        |   |
| S73 | 128   | security adj system and tamper and<br>temperature and light and access<br>adj control                                       | US-PGPUB;<br>USPAT | OR   | ON  | 2004/11/04 15:04                        |   |
| S74 | 10    | card adj reader adj malfunction   | US-PGPUB;<br>USPAT | OR   | ON. | 2004/11/04 13:51                        |   |
| S75 | 30    | (card adj reader) near3 malfunction   | US-PGPUB;<br>USPAT | OR   | ON  | 2004/11/04 13:51                        | 0 |
| S76 | 20963 | light NOT diode and security and access   | US-PGPUB;<br>USPAT | OR   | ON  | 2004/11/04 14:57                        |   |
| S77 | 20963 | light and security and access NOT diode   | US-PGPUB;<br>USPAT | OR   | ON  | 2004/11/04 14:58                        |   |
| S78 | 27105 | light and security and access   | US-PGPUB;<br>USPAT | OR   | ON  | 2004/11/04 14:57                        |   |
| S79 | 2287  | light and security and access adj<br>system NOT diode   | US-PGPUB;<br>USPAT | OR   | ON  | 2004/11/04 14:58                        |   |
| S80 | 992   | light and security and access adj<br>system NOT diode and @ay<"2001"  | US-PGPUB;<br>USPAT | OR   | ON  | 2004/11/04 14:59                        |   |
| S81 | 388   | light and security and access adj<br>system NOT diode and @ay<"2001"<br>and building  | US-PGPUB;<br>USPAT | OR   | ON  | 2004/11/04 14:59                        | K |
| S83 | 59    | security adj system and tamper and temperature and light and access adj control NOT silverbrook.in.                         | US-PGPUB;<br>USPAT | OR . | ON  | 2004/11/04 15:05                        |   |
| S84 | 16    | security adj system and tamper and<br>temperature and light and access<br>adj control NOT silverbrook.in. and<br>@ay<"2001" | US-PGPUB;<br>USPAT | OR   | ON  | 2004/11/04 15:05                        |   |
| S85 | 1     | wiegand and data adj "0" and ledctl   | US-PGPUB;<br>USPAT | OR   | ON  | 2004/11/04 15:31                        |   |
| S86 | 1     | wiegand and data0 and ledctl  | US-PGPUB;<br>USPAT | OR   | ON  | 2004/11/04 15:31                        |   |
| S87 | 1     | wiegand and ledctl  | US-PGPUB;<br>USPAT | OR   | ON  | 2004/11/04 15:32                        |   |
| S88 | 13    | ledcti  | US-PGPUB;<br>USPAT | OR   | ON  | 2004/11/04 15:36                        |   |
| S89 | 7     | wiegand and data adj "0"  | US-PGPUB;<br>USPAT | OR   | ON  | 2004/11/04 15:49                        |   |
| S90 | 1     | "4,163,215".pn.   | US-PGPUB;<br>USPAT | OR   | ON  | 2004/11/04 15:39                        |   |
|     |       |   |                    |      |     | *************************************** |   |

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| S91      | 13008 | data adj "0"  | US-PGPUB;<br>USPAT           | OR | ON  | 2004/11/04 15:49 |
|----------|-------|---|------------------------------|----|-----|------------------|
| S92      | 7516  | data adj "0" and data adj "1"   | US-PGPUB;<br>USPAT           | OR | ON  | 2004/11/04 15:49 |
| S93      | 1     | data adj "0" and data adj "1" and<br>ledcti                             | US-PGPUB;<br>USPAT           | OR | ON  | 2004/11/04 15:49 |
| S94      | 7021  | data adj "0" and data adj "1" and<br>signal                             | US-PGPUB;<br>USPAT           | OR | ON  | 2004/11/04 15:50 |
| S95      | 738   | data adj "0" and data adj "1" and<br>signal and LED                     | US-PGPUB;<br>USPAT           | OR | ON  | 2004/11/04 15:50 |
| S96      | 418   | data adj "0" and data adj "1" and<br>signal and LED and access          | US-PGPUB;<br>USPAT           | OR | ON  | 2004/11/04 15:52 |
| S97      | 21    | data0 and data1 and signal and LED and access                           | US-PGPUB;<br>USPAT           | OR | ON  | 2004/11/04 15:52 |
| S98      | 1     | "3932843".PN.   | USPAT;<br>USOCR              | OR | ON  | 2004/11/04 16:05 |
| S99      | 2     | "3374466".PN.   | USPAT;<br>USOCR              | OR | ON  | 2004/11/04 16:05 |
| S10<br>0 | 2     | "3500328".PN.   | USPAT;<br>USOCR              | OR | ON  | 2004/11/04 16:06 |
| S10<br>1 | 0     | malfunction near (access adj control adj (interface or unit))           | US-PGPUB;<br>USPAT           | OR | ON  | 2004/11/04 16:31 |
| S10<br>2 | 0     | malfunction near3 (access adj<br>control adj (interface or unit))       | US-PGPUB;<br>USPAT           | OR | ON  | 2004/11/04 16:31 |
| S10<br>3 | 2     | malfunction near3 (access near (interface or unit))                     | US-PGPUB;<br>USPAT           | OR | ON  | 2004/11/04 16:31 |
| S10<br>4 | 61    | wiegand and malfunction   | US-PGPUB;<br>USPAT           | OR | ON  | 2004/11/04 16:32 |
| S10<br>5 | · 45  | wiegand and malfunction and @ay<"2001"                                  | US-PGPUB;<br>USPAT           | OR | ON  | 2004/11/04 16:37 |
| S10<br>6 | 7     | wiegand adj reader  | US-PGPUB;<br>USPAT           | OR | ON  | 2004/11/04 16:45 |
| S10<br>7 | 720   | (713/185-186).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/11/04 16:45 |
| S10<br>8 | 17    | S107 and malfunction  | US-PGPUB;<br>USPAT           | OR | ON  | 2004/11/04 16:52 |
| S10<br>9 | 10    | card adj reader adj malfunction   | US-PGPUB;<br>USPAT           | OR | ON  | 2004/11/04 16:52 |
| S11<br>0 | 33436 | access adj control  | US-PGPUB;<br>USPAT           | OR | ON  | 2004/11/05 08:56 |
| S11<br>1 | 52    | (access adj control) and reader near2 (problem or error or malfunction) | US-PGPUB;<br>USPAT           | OR | ON  | 2004/11/05 09:10 |
| S11<br>2 | 8951  | (access adj control) and time and light                                 | US-PGPUB;<br>USPAT           | OR | ON  | 2004/11/05 09:10 |

| S11<br>5 | 221 | (access adj control) and time and light and biometric and @ay<"2001"   | US-PGPUB;<br>USPAT | OR . | ON  | 2004/11/05 09:18 |           |
|----------|-----|--|--------------------|------|-----|------------------|-----------|
| S11<br>6 | 4   | (access adj control) and time and light and biometric and @ay<"2001" and light adj detector                        | US-PGPUB;<br>USPAT | OR   | ON  | 2004/11/05 09:22 |           |
| S11<br>7 | 21  | (access adj control) and light and<br>biometric and @ay<"2001" and<br>light near2 (detector or sensor)             | US-PGPUB;<br>USPAT | OR   | ON  | 2004/11/05 09:45 | KWIC      |
| S11<br>8 | 328 | (access adj control) and light and<br>@ay<"2001" and light near2<br>(detector or sensor)                           | US-PGPUB;<br>USPAT | OR   | ON  | 2004/11/05 09:45 | KWIC      |
| S11<br>9 | 0   | (reader near2 malfunction) near3<br>(main or control or system) and<br>(access adj control)                        | US-PGPUB;<br>USPAT | OR   | ON  | 2004/11/05 10:32 |           |
| S12<br>0 | 4   | (reader near2 malfunction) near3<br>(main or control or system)  | US-PGPUB;<br>USPAT | OR   | ON  | 2004/11/05 10:42 |           |
| S12<br>1 | 47  | (reader near2 (malfunction or error<br>or problem)) near3 (main or control<br>or system)                           | US-PGPUB;<br>USPAT | OR   | ON  | 2004/11/05 10:42 |           |
| S12<br>2 | 0   | access adj control and reader adj<br>malfunction   | US-PGPUB;<br>USPAT | OR   | ON  | 2004/11/05 10:52 |           |
| S12<br>3 | 0   | access adj control and reader near malfunction   | US-PGPUB;<br>USPAT | OR   | ON  | 2004/11/05 10:52 |           |
| S12<br>4 | 3   | access adj control and reader near3 malfunction  | US-PGPUB;<br>USPAT | OR   | ON  | 2004/11/05 10:52 |           |
| S12<br>5 | 39  | access adj control and reader near3<br>proper  | US-PGPUB;<br>USPAT | OR   | ON  | 2004/11/05 11:04 | !         |
| S12<br>6 | 11  | access adj control and (malfunction<br>or bug or glitch or defect or fail\$4<br>or flaw or impairment) near reader | US-PGPUB;<br>USPAT | OR   | ON  | 2004/11/05 11:05 |           |
| S12<br>7 | 4   | access adj system and detect adj<br>malfunction  | US-PGPUB;<br>USPAT | OR   | OFF | 2004/11/05 12:16 |           |
| S12<br>8 | 0   | reader near3 detect adj malfunction  | US-PGPUB;<br>USPAT | OR   | OFF | 2004/11/05 12:16 |           |
| S12<br>9 | 0   | reader near3 detect near2 malfunction  | US-PGPUB;<br>USPAT | OR   | OFF | 2004/11/05 12:17 |           |
| S13<br>0 | 1   | reader near3 detect\$6 near2 malfunction   | US-PGPUB;<br>USPAT | OR   | OFF | 2004/11/05 12:17 |           |
| S13<br>1 | 1   | "5491471".pn.  | US-PGPUB;<br>USPAT | OR   | OFF | 2004/11/08 10:59 | IDS check |
| S13<br>2 | 1   | "6411199".pn.  | US-PGPUB;<br>USPAT | OR   | OFF |                  |           |
| S13<br>3 | 1   | ."5166676".pn.   | US-PGPUB;<br>USPAT | OR   | OFF | 2004/11/08 10:58 | IDS check |
| S13<br>4 | 1   | "5028918".pn.  | US-PGPUB;<br>USPAT | OR   | OFF | 2004/11/08 10:58 | IDS check |

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| S13<br>5 | 6   | ("4163215", "5521602", "5517172",<br>"5679945", "5848541", "5923264").<br>pn. | US-PGPUB;<br>USPAT | OR | OFF | 2004/11/08 11:02 |
|----------|-----|---|--------------------|----|-----|------------------|
| S13<br>6 | 0   | 282992A2.pn.  | EPO                | OR | ON  | 2004/11/08 11:02 |
| S13<br>7 | 0   | 282992A2  | EPO                | OR | ON  | 2004/11/08 11:02 |
| S13<br>8 | 0   | 992A2   | EPO                | OR | ON  | 2004/11/08 11:02 |
| S13<br>9 | 485 | @pd="19880316"  | EPO                | OR | ON  | 2004/11/08 11:05 |
| S14<br>0 | 276 | @ad="19880316"  | EPO '              | OR | ON  | 2004/11/08 11:05 |